FIG. 1

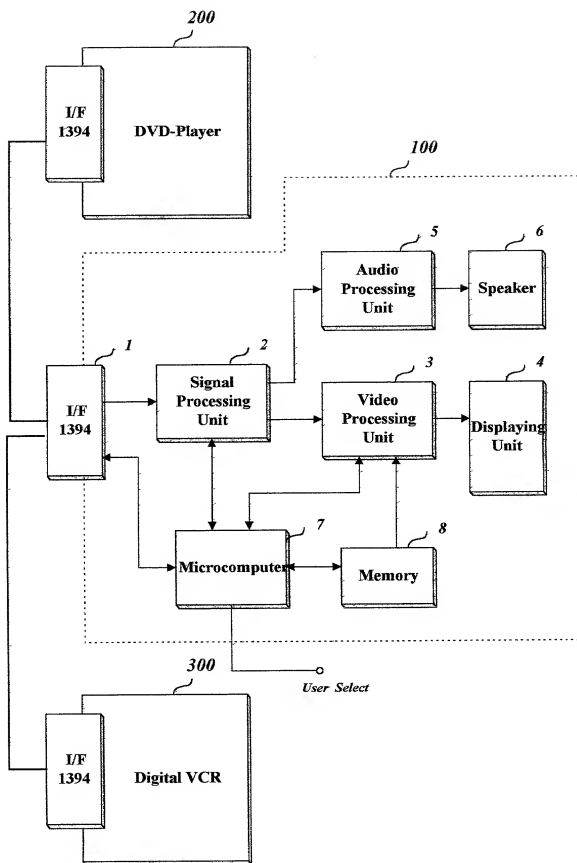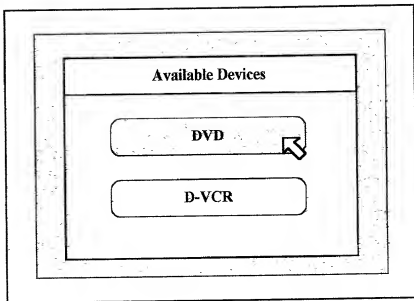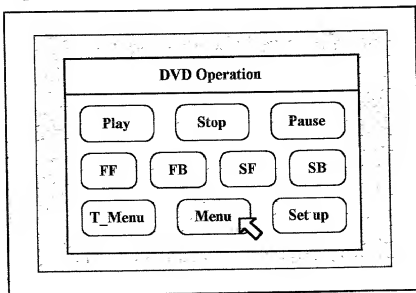**FIG. 2A**

Step 1

Menu screen constructed by a digital TV memory based on the identified devices
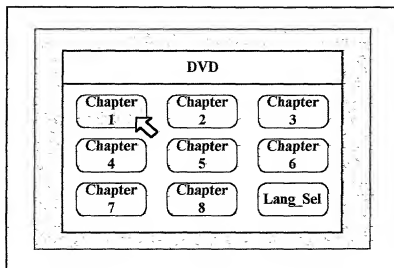
FIG. 2B

Step 2

Menu screen constructed from menu data received from a DVD player
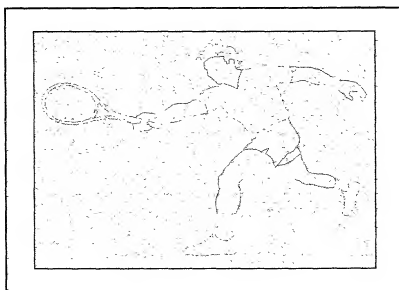
FIG. 2C

Step 3

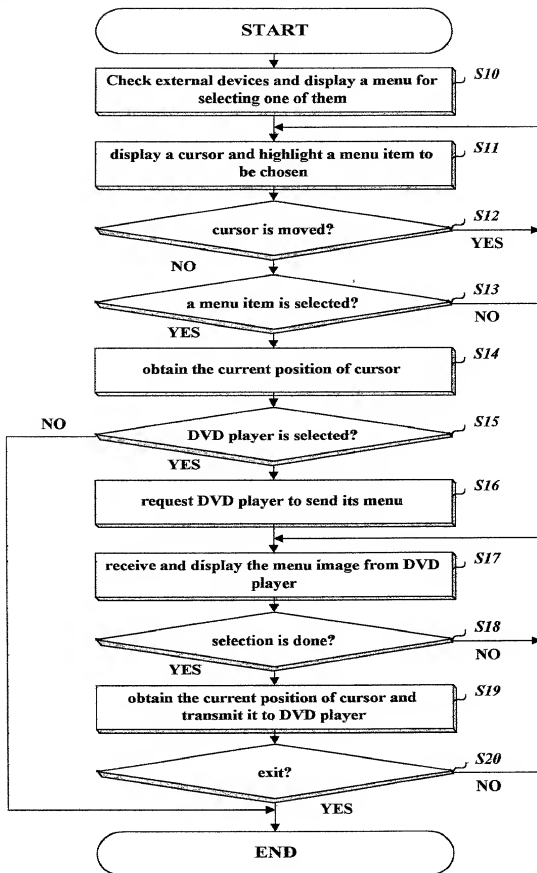*Menu screen constructed from the menu image data sent by a DVD player based on information written in a DVD*

FIG. 2D

Step 4

Moving pictures transmitted from a DVD player

FIG. 3

```
                    ┌─────────────────────────┐
                    │          START          │
                    └─────────────────────────┘
                                 │
            ┌────────────────────────────────────────┐  S10
            │ Check external devices and display a   │
            │     menu for selecting one of them     │
            └────────────────────────────────────────┘
                                 │
            ┌────────────────────────────────────────┐  S11
            │ display a cursor and highlight a menu  │
            │            item to be chosen           │
            └────────────────────────────────────────┘
                                 │
                    ◇─────────────────────◇  S12
                    ◇    cursor is moved? ◇─── YES ──►
                    ◇─────────────────────◇
                            │ NO
                    ◇──────────────────────◇  S13
                    ◇ a menu item is selected? ◇── NO ──►
                    ◇──────────────────────◇
                        │ YES
            ┌────────────────────────────────────────┐  S14
            │   obtain the current position of cursor │
            └────────────────────────────────────────┘
                                 │
      NO    ◇───────────────────────────◇  S15
     ◄──────◇    DVD player is selected? ◇
            ◇───────────────────────────◇
                        │ YES
            ┌────────────────────────────────────────┐  S16
            │    request DVD player to send its menu  │
            └────────────────────────────────────────┘
                                 │
            ┌────────────────────────────────────────┐  S17
            │  receive and display the menu image    │
            │           from DVD player              │
            └────────────────────────────────────────┘
                                 │
                    ◇───────────────────◇  S18
                    ◇  selection is done? ◇── NO ──►
                    ◇───────────────────◇
                        │ YES
            ┌────────────────────────────────────────┐  S19
            │ obtain the current position of cursor  │
            │    and transmit it to DVD player       │
            └────────────────────────────────────────┘
                                 │
                    ◇───────────────────◇  S20
                    ◇       exit?        ◇── NO ──►
                    ◇───────────────────◇
                        │ YES
                    ┌─────────────────────────┐
                    │           END           │
                    └─────────────────────────┘
```